

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

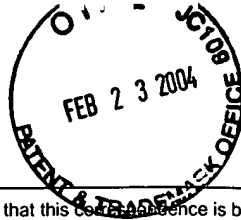
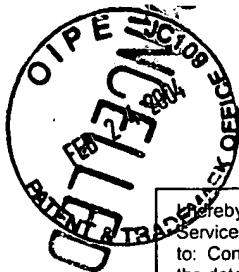
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV333854402US, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: February 23, 2004

Signature: *Tia B. Zimmerman*

(Tia B. Zimmerman)

PATENT
Docket No. 282172000810
Client Ref. 405DIV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Derek J. HEI

Serial No.: 09/872,384

Filing Date: June 1, 2001

For: METHODS AND DEVICES FOR THE
REMOVAL OF PSORALENS FROM
BLOOD PRODUCTS

Examiner: A. Marschel

Group Art Unit: 1631

**SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97**

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicant submits for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

02/27/2004 JBALINAN 00000077 031952 09872384

01 FC:1254 1480.00 DA

pa-863534

This Supplemental Information Disclosure Statement is submitted:

- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.

Applicant would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

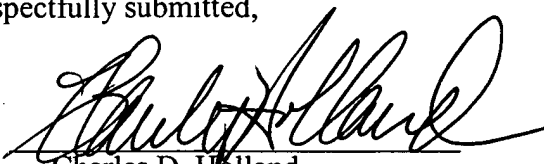
In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicant petitions for

any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 282172000810. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: February 23, 2004

Respectfully submitted,

By:



Charles D. Holland
Registration No. 35,196

Morrison & Foerster LLP
755 Page Mill Road
Palo Alto, California 94304-1018
Telephone: (650) 813-5832
Facsimile: (650) 494-0792

Form PTO-1449

Docket Number 282172000810

Application Number 09/872,384

Applicant

Derek J. HEI

Filing Date: June 1, 2001

Group Art Unit 1631

Mailing Date February 23, 2004

Examiner Name A. Marschel

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	12/19/2002	2002/0192632 A1	Hei et al.			
	2.	04/08/2003	6,544,727	Hei			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO

OTHER DOCUMENTS

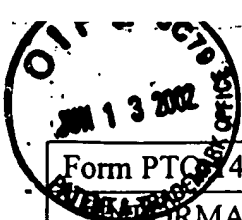
(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	3.	Office action mailed on May 20, 2003 in co-pending Application No. 10/051,976 filed on January 16, 2002.
	4.	Final Office action mailed on November 5, 2003 in co-pending Application No. 10/051,976 filed on January 16, 2002.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



Form PTO/SB 449	Docket Number: CERUS-408.11	Application Number: 10/051,976
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant: Derek J. Hei	
(Use several sheets if necessary)	Filing Date: January 16, 2002	Group Art Unit: NYA

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Patent No.	Name	Class	Subclass	Filing Date If Appropriate
an	1.	02/21/89	RE 32,874	Rock et al.			
an	2.	04/24/73	3,729,457	Davankov et al.			
an	3.	12/20/77	4,064,042	Kunin			
an	4.	11/07/78	4,124,598	Hearst et al.			
an	5.	06/12/79	4,157,723	Granzow et al.			
an	6.	07/03/79	4,160,059	Samejima			
an	7.	09/25/79	4,169,204	Hearst et al.			
an	8.	04/01/80	4,196,281	Hearst et al.			
an	9.	05/13/80	4,202,775	Abe et al.			
an	10.	08/05/80	4,216,154	Kaufman			
an	11.	11/25/80	4,235,781	Kaufman			
an	12.	05/05/81	4,265,280	Ammann et al.			
an	13.	05/26/81	4,269,852	Kaufman			
an	14.	10/13/81	4,294,822	Kaufman			
an	15.	11/03/81	4,298,614	Kaufman			
an	16.	06/28/83	4,390,619	Harmening-Pittiglio			
an	17.	11/01/83	4,412,835	Spencer			
an	18.	05/08/84	4,447,415	Rock et al.			
an	19.	07/17/84	4,460,530	Hanson et al.			
an	20.	03/18/86	4,576,715	Michaels et al.			
an	21.	06/10/86	4,594,202	Pall et al.			
an	22.	07/28/87	4,683,195	Mullis et al.			
an	23.	07/28/87	4,683,202	Mullis			
an	24.	08/04/87	4,684,521	Edelson			
an	25.	09/15/87	4,693,981	Wiesehahn et al.			
an	26.	09/22/87	4,695,460	Holme			
an	27.	11/03/87	4,704,352	Miripol et al.			
an	28.	02/23/88	4,727,027	Wiesehahn et al.			
an	29.	03/01/88	4,728,432	Sugiyama et al.			
an	30.	05/31/88	4,748,120	Wiesehahn			

RECEIVED

JUN 19 2002

TECH CENTER 1600/2900

COPY OF PAPERS
ORIGINALLY FILED

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO/SB/08 (2-92)	Docket Number: CERUS-408.11	Application Number: 10/051,976
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant : Derek J. Hei	
(Use several sheets if necessary)	Filing Date : January 16, 2002	Group Art Unit: NYA

U.S. PATENT DOCUMENTS

31.	05/09/89	4,828,976	Murphy			
32.	05/15/90	4,925,665	Murphy			
33.	06/19/90	4,935,141	Buck et al.			
34.	09/25/90	4,959,148	Clark III			
35.	01/15/91	4,985,153	Kuroda et al.			
36.	02/21/91	4,992,363	Murphy			
37.	07/09/91	5,030,352	Varady et al.			
38.	08/06/91	5,037,857	Maroldo et al.			
39.	03/10/92	5,094,960	Bonomo			
40.	03/31/92	5,100,564	Pall et al.			
41.	05/12/92	5,112,298	Prince et al.			
42.	07/07/92	5,128,048	Stewart et al.			
43.	08/11/92	5,137,926	Maroldo et al.			
44.	09/15/92	5,147,290	Jonsson			
45.	03/02/93	5,190,657	Heagle et al.			
46.	08/10/93	5,234,608	Duff			
47.	12/14/93	5,269,917	Stankowski			
48.	01/18/94	5,279,742	Markell et al.			
49.	02/22/94	5,288,605	Lin et al.			
50.	07/12/94	5,328,758	Markell et al.			
51.	10/11/94	5,354,262	Boehringer et al.			
52.	03/21/95	5,399,719	Wollowitz et al.			
53.	04/18/95	5,407,581	Onodera et al.			
54.	05/23/95	5,418,130	Platz et al.			
55.	06/06/95	5,421,812	Langley et al.			
56.	10/10/95	5,456,845	Nishimura et al.			
57.	10/17/95	5,459,030	Lin et al.			
58.	11/21/95	5,468,536	Whitcomb et al.			
59.	01/09/96	5,482,828	Lin et al.			
60.	01/23/96	5,486,293	Boschetti et al.			
61.	01/23/96	5,486,410	Groeger			
62.	02/27/96	5,494,592	Latham, Jr. et al.			

RECEIVED

JUN 19 2002

TECH CENTER 1600/29

COPY OF PAPERS
ORIGINALLY FILED

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-14	Docket Number: CERUS-408.11	Application Number: 10/051,976
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant: Derek J. Hei	
(Use several sheets if necessary)	Filing Date: January 16, 2002	Group Art Unit: NYA

U.S. PATENT DOCUMENTS

63.	03/12/96	5,498,520	Chapman			
64.	03/26/96	5,501,795	Pall et al.			
65.	04/02/96	5,504,163	Tegen et al.			COPY OF PAPERS ORIGINALLY FILED
66.	07/02/96	5,531,902	Gallup			
67.	08/06/96	5,543,062	Nishimura			
68.	09/17/96	5,556,541	Ruschke			
69.	09/24/96	5,559,250	Cook et al.			RECEIVED
70.	11/05/96	5,571,666	Floyd et al.			JUN 19 2002
71.	01/14/97	5,593,823	Wollowitz et al.			
72.	02/22/94	5,605,746	Groeger			TECH CENTER 1600/2900
73.	03/04/97	5,607,766	Berger			
74.	04/01/97	5,616,254	Pall et al.			
75.	06/17/97	5,639,376	Lee et al.			
76.	08/26/97	5,660,731	Piechocki et al.			
77.	09/02/97	5,662,728	Groeger			
78.	06/30/98	5,773,384	Davankov et al.			
79.	10/06/98	5,817,354	Mozaffar et al.			
80.	03/16/99	5,883,256	Schuler et al.			
81.	05/08/01	6,228,995	Lee			
82.	11/20/01	6,319,662	Foley et al.			

INTERNATIONAL PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
63	83.	10/11/91	03-229610	Japan			Partial	
64	84.	12/14/89	3819000	Germany			Partial	
65	85.	12/09/87	62-283198	Japan			Partial	
66	86.	04/04/91	WO 91/03933	PCT				
67	87.	12/08/94	WO 94/27433	PCT				
68	88.	01/05/95	WO 95/00631	PCT				
69	89.	07/13/95	WO 95/18665	PCT				

EXAMINER:	DATE CONSIDERED: 5/16/03
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	

Form PTO-1449	Docket Number: CERUS-408.11	Application Number: 10/051,976
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant: Derek J. Hei	
(Use several sheets if necessary)	Filing Date: January 16, 2002	Group Art Unit: NYA

RECEIVE

JUN 19 2002

TECH CENTER 1600

Examiner Initials	Ref.No.	OTHER DOCUMENTS (including author, title, Date Pertinent Pages, etc.)
<i>a</i>	90.	510(k) Notification submitted to the U.S. Food & Drug Administration, Asahi Medical Co., Ltd., Tokyo, Japan (12/5/88).
<i>a</i>	91.	Adams, et al., "The Pechmann Reaction," Organic Reactions Vol. VII Chapter 1, Wiley, NY (1953).
<i>on</i>	92.	Alter, et al., "Photochemical Decontamination of Blood Components Containing Hepatitis B and Non-A, Non-B Virus," The Lancet (ii:1446-1450) (1988).
<i>a</i>	93.	Alter et al. "How frequent is posttransfusion hepatitis after the introduction of 3 rd generation donor screening for hepatitis B? What is probable nature?" Int'l. Forum: Vox Sang 32:346-363 (1977)
<i>an</i>	94.	Andrade, J.D., et al., "Coated adsorbents for direct blood perfusion: Hema/activated carbon", Vol. XVII Trans. Amer. Soc. Artif. Int. Organs pp. 222-228 (1971).
<i>an</i>	95.	Artuc et al. "Reversible binding of 5- and 8-methoxypsoralen to human serum proteins (albumin) and to epidermis in vitro" Brit. J. Derm. 101:669-677 (1979)
<i>an</i>	96.	Belogurov and Zavil'gel'skii "Mechanism of the inactivation of the photosensitizer 8-methoxypsoralen on bacteria and bacteriophages" Sovgenet 14:219-223 (1978)
<i>a</i>	97.	Bender, et al., "Psoralen Synthesis Improvements in Furan Ring Formation. Application to the Synthesis of 4,5',8-Trimethylpsoralen," J. Org. Chem. 44:2176-2180 (1979).
<i>a</i>	98.	Bertolini, F. et al., "Platelet concentrates stored in synthetic medium after filtration," Vox Sang 67:82-86 (1992)
<i>a</i>	99.	Bertolini, F., et al., "Platelet Quality After 15-day Storage of Platelet Concentrates Prepared from Buffy Coats and Stored in a Glucose-Free Crystalloid Medium," Transfusion 32:9-16 (1992).
<i>a</i>	100.	Bock, M., et al., "White cell depletion of single-donor platelet preparations by a new adsorption filter," Transfusion 31:333-334 (1991).
<i>a</i>	101.	Bogusz M. et al. "Isolation of drugs from blood and tissues with XAD-2 bags" Forensic Sci. Int'l. 12:73-82 (1978)
<i>a</i>	102.	Boomgaard, M.N. et al., "In vitro evaluation of platelet concentrates, prepared from pooled buffy coats, stored for 8 days after filtration", Transfusion 34:311-316 (1994).
<i>an</i>	103.	Bordin et al. "DNA repair and recovery in escherichia coli after psoralen and angelicin photosensitization" Biochimica et Biophysica Acta 447: 249-259 (1976)
<i>a</i>	104.	Brettell T.A., and Saferstein, R., "Forensic science" Anal. Chem., 59:162-174 (1987).
<i>a</i>	105.	Carmen R. "The selection of plastic materials for blood bags" Trnas. Med. Rev. 7:1 1-10 (1993)
<i>a</i>	106.	Chandy, T., and Sharma, C.P., "Polylysine-immobilized chitosan beads as adsorbents for bilitubin," Artificial Organs 16:568-576 (1992).
<i>a</i>	107.	Cimino et al., "Psoralens as Photoactive Probes of Nucleic Acid Structure and Function: Organic Chemistry, Photochemistry, and Biochemistry," Ann. Rev. Biochem. 54:1151-1193 (1985).
<i>a</i>	108.	Coli et al. "Phosphate removal by resin hemoperfusion efficacy and biocompatibility of a new exchange" Biomat, Art Cells & Immob. Biotech. 20:1153-1163 (1992)
<i>a</i>	109.	Courtney, J.M., et al., "Monitoring of the blood response in blood purification," Artificial Organs 17:260-266 (1993).
<i>a</i>	110.	Davankov, V.A., and Tsyurupa, M.P., "Structure and properties of hypercrosslinked polystyrene-the first representative of a new class of polymer networks," Reactive Polymers 13 Elsevier Science Pub. B.V., Amsterdam pp. 27-42 (1990).




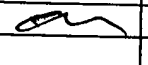

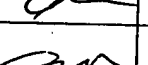




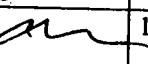
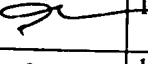
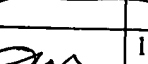
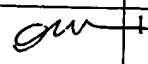
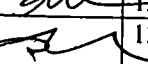
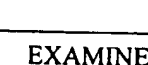
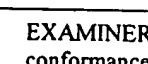
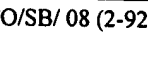


EXAMINER: <i>an m. (VH)</i>	DATE CONSIDERED: <i>5/14/03</i>
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	

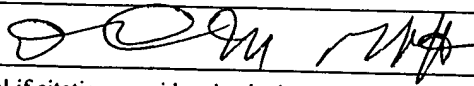
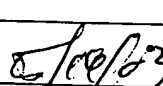
Form PTO-1449	Docket Number: CERUS-408.11	Application Number: 10/051,976
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant: Derek J. Hei	
(Use several sheets if necessary)	Filing Date: January 16, 2002	Group Art Unit: NYA

RECEIVE

JUN 19 2002

TECH CENTER 1600%

OTHER DOCUMENTS (including author, title, Date Pertinent Pages, etc.)		
Examiner Initials	Ref.No.	Title
	111.	Dodd et al. (1991) "Inactivation of Viruses in Platelet Suspensions that Retain Their In Vitro Characteristics: Comparison of Psoralen-ultraviolet A and Merocyanine 540 Visible Light Methods," Transfusion 31:483-490
	112.	Dunlop, E.H. and Williams, R., "Physico-chemical aspects of the removal of protein-bound substances by charcoal and other adsorbents of potential value in systems of artificial liver support: Part 2- Kinetics of removal," Med. & Biol. Eng. & Comput., 16:350-362 (1978).
	113.	Dunlop, E.H., and Williams, R., "Physico-chemical aspects of the removal of protein-bound substances by charcoal and other adsorbents of potential value in systems of artificial liver support: Part I - Equilibrium properties," Med. & Biol. Eng. & Comput., 16:343-49(1978).
	114.	Durst, T., "Dimethylsulfoxide (DMSO) in Organic Synthesis," Adv. Org. Chem. 6:352-353 (1969).
	115.	Dvilansky et al. "Evaluation of a new polyacrolein microsphere (acrobead) protein A column: An in vitro study using the blood of patients with immune thrombocytopenia or malignancies" Transfusion 32:210-214 (1992)
	116.	Faenza et al. "Hemoperfusion with a new anion exchange resin corrects the metabolic alkalosis in pyloric stenosis: An experimental demonstration" Int'l. J. Art. Organs 15:677-680 (1992)
	117.	Fini M. et al. "In vitro evaluation of heparin adsorption during haemoperfusion with Dowex 1x2 anion-exchange resin" Art. Cells. Blood Subs. And Immob Biotech 23:1 101-108 (1995)
	118.	Fujita and Kakishima "Photobiological activities of 5-alkoxypsoralens with respect to the action on Escherichia coli" Photochem and Photobio. 43:2 221-224 (1986)
	119.	Goldenberg, M., et al., "Synthesis and Properties of Novel Psoralen Derivatives," Biochemistry 27:6971-6976 (1988).
	120.	Goodrich R.P. et al. "Selective inactivation of viruses in the presence of human platelets: UV sensitization with psoralen derivatives" Proc. Nat'l. Acad. Sci. USA 91:5552-5556 (1994)
	121.	Hanson (1992) "Photochemical Inactivation of Viruses with Psoralens: An Overview," Blood Cells: 18:7-25
	122.	Hanson, C.V., et al., "Application of a Rapid Microplaque assay for Determination of Human Immunodeficiency Virus Neutralizing Antibody Titers," J. Clin. Micro 28:2030 (1990).
	123.	Hass and Webb "8-methoxypsoralen effects on survival and repair of Escherichia coli after ultraviolet irradiation: Action spectra" Radiation Research 80 170-185 (1979)
	124.	Hearst, et al., "The reaction of the psoralens with deoxyribonucleic acid", Quart. Rev. Biophys. 17:1-44 (1984).
	125.	Hearst, J.E., and Thiry, L., "The photoinactivation of an RNA animal virus, vesicular stomatitis virus, with the aid of newly synthesized psoralen derivatives," Nucleic Acids Research, 4:1339-1347 (1977).
	126.	Hei, D.J., et al., "Removal of cytokines from HSA-containing solutions by adsorption onto silica," Biotech. Bioeng., 44:1023-1030 (1994).
	127.	Heinmets et al. "Inactivation of viruses in plasma by photosensitized oxidation" Joint report with the Naval Medical Res. Institute, Walter Reed Army Institute of Research 53-55 pp. 1-16 (1955)
	128.	Hilfenhaus, J., et al., "A strategy for testing established human plasma protein manufacturing procedures for their ability to inactivate or eliminate human immunodeficiency virus," J. Biol. Std. 15:251-263 (1987).
	129.	Horowitz, B., et al., "Inactivation of viruses in labile blood derivatives," Transfusion 25:516-522 (1985).
	130.	Hughes, R., et al. "Albumin-coated amberlite XAD-7 resin for hemoperfusion in acute liver failure Part II: In vivo evaluation.. Artifical Organs (1979):3(1):23-26.

EXAMINER: 	DATE CONSIDERED: 
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	

COPY OF PAPER
ORIGINALLY FILEDPTO/SB/08 (2-92)
Sheet 6 of 9

Form PTO-1449	Docket Number: CERUS-408.11	Application Number: 10/051,976
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant: Derek J. Hei	
(Use several sheets if necessary)	Filing Date: January 16, 2002	Group Art Unit: NYA

RECEIVED

JUN 19 2002

TECH CENTER 1600/29

OTHER DOCUMENTS		(including author, title, Date Pertinent Pages, etc.)
	131.	Hyde and Hearst, "Binding of Psoralen Derivatives to DNA and Chromatin: Influence of the Ionic Environment on Dark Binding and Photoreactivity," Biochemistry 17:1251-1252 (1978).
	132.	Ibrahim, G., et al., "Application of Amerlite XAD-2 resin for general toxicological analysis," J. Chrom., 108:107-116 (1975).
	133.	Isaacs, et al., "A Photochemical Characterization of Reactions of Psoralen Derivatives with DNA," Trends in Photobiology (Plenum) pp. 279-294 (1982).
	134.	Isaacs, et al., "Synthesis and Characterization of New Psoralen Derivatives with Superior Photoreactivity with DNA and RNA," Biochemistry 16:1058 -1064 (1977).
	135.	Isaacs, et al., "Synthesis of Deuterium and Tritium Labeled Psoralens," J. Labelled Cmpds. Radiopharm., 19, 345-356 (1982).
	136.	Ishihara, K., et al., "Selective adhesion of platelets on a polyion complex composed of phospholipid polymers containing sulfonate groups and quaternary ammonium groups," J.Biomed. Mat. Res., 28:1347-1355 (1994).
	137.	Joustra-Dijkhuis, A.M., "Effect of filtration on subsequently stored platelet concentrates," Vox Sang 67:22-27 (1994)
	138.	Kao, K.J., et al., "White cell reduction in platelet concentrates and packed red cells by filtration: a multicenter clinical trial," Transfusion 35:13-19 (1995).
	139.	Kaufman, et al., "Reactions of Furocoumarins. II(1). Synthetic Aminomethyl Psoralens via Chloromethylation of Benzylic Bromination," J. Heterocyclic Chem. 19:1051 (1982).
	140.	Kiremitci & Piskin "Properties of new sorbents containing activated carbon-PHEMA-PEG" Int'l. J. of Art. Org. 8:4 201-208 (1985)
	141.	Kril and Fung, "Influence of hydrophobicity on the Ion exchange selectivity coefficients for aromatic amines" J. Pharm Sci., 79:440-443 (1990)
	142.	Larock, R.C., <i>Comprehensive Organic Transformation</i> , (VCH Publishers, New York) 5-43 (1989).
	143.	Lee, B.L., et al., "Interaction of Psoralen-Derivatized Oligodeoxyrionucleoside Methylphosphonates with Single-Stranded DNA," Biochemistry, 27:3197-3203 (1988).
	144.	Lee, C.J., and Hsu, S.T., "Preparation of spherical encapsulation of activated carbons and their adsorption capacity of typical uremic toxins," J. Biomed. Mat. Res., 24:243-258 (1990).
	145.	Lin, et al., "Use of 8-Methoxypsoralen and Long-Wavelength Ultraviolet Radiation for Decontamination of Platelet Concentrates," Blood 74:517-525 (1989).
	146.	Lunn, G., et al., "Removal of biological stains from aqueous solution using a flow-through decontamination procedure", Biotech. & Histochem Vol. 69 No. 1 pp. 45-54 (1994).
	147.	MacLeod et al., "Synthesis of Benzofuranoid Systems. I. Furocoumarins, Benzofurans and Dibenzofurans," Tetrahedron Letters 237-240 (1972).
	148.	Margolis-Nunno, et al., "Photochemical Virus Sterilization in Platelet Concentrates with Psoralen Derivatives," Thromb Haemostas 65:1162 (Abstract) (1991).
	149.	Margolis-Nunno, H., et al., "Elimination of potential mutagenicity in platelet concentrates that are virally inactivated with psoralens and ultraviolet A light", Transfusion 35:855-62 (1995)
	150.	Maron D.M. and B.N. Ames, "Revised methods for the Salmonella mutagenicity test," Mutation Research, 113:173-210 (1983).
	151.	Matsuda, K., et al., "Experimental study on the adsorption of excess heparin with anion exchange resin fiber," Artificial Organs 13:504-507 (1989).
	152.	Matthews, J.L., et al., "Photodynamic therapy of viral contaminants with potential for blood banking applications," Transfusion 28:81-83 (1988).

EXAMINER:

DATE CONSIDERED:

6/10/03

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

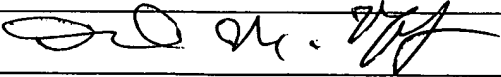
Form PTO-1449	Docket Number: CERUS-408.11	Application Number: 19/051 976
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant : Derek J. Hei	
(Use several sheets if necessary)	Filing Date : January 16, 2002	Group Art Unit: NYA

RECEIVED

JUN 19 2002

TECH CENTER 1600%

OTHER DOCUMENTS (including author, title, Date Pertinent Pages, etc.)		
153.	Metzelaar, M.J., "A comparative study on the use of platelet membrane markers for the detection of platelet activation <i>in vitro</i> and in clinical disorders", <i>Studies on the Expression of Activation-Markers on Human Platelets</i> (Thesis) (1961).	
154.	Morel, et al., "Photochemical Inactivation of Viruses and Bacteriophage in Plasma and Plasma Fractions," <i>Blood Cells</i> 18:27-42 (1992).	
155.	Moroff et al. (1992) "Factors influencing virus inactivation and retention of platelet properties following treatment with aminomethyltrimethylpsoralen and ultraviolet A light" 18:43-56.	
156.	Moroff, G., et al. "Factors influencing changes in pH during storage of platelet concentrates at 20-24 °C", <i>Vox Sang</i> 42:33-45 (1982).	
157.	Moroff, G., et al., "The influence of irradiation on stored platelets," <i>Transfusion</i> 26:453-456 (1986).	
158.	Morrow, J.F., et al., "Septic Reactions to Platelet Transfusions," <i>JAMA</i> 266:555-558 (1991).	
159.	Murphy, S., et al., "In vitro assessment of the quality of stored platelet concentrates", <i>Transfusion Med. Rev.</i> VIII (1):29-36 (1994)	
160.	Murugavel, S., "In vitro studies of the efficacy of reversed phase silica gel as a sorbent for hemo- and plasmapheresis" <i>Clin. Tox.</i> 30:69 (1992).	
161.	Nathan et al. "A novel agarose acrobates protein A column for selective immunoabsorbance of whole blood: Performance, specificity and safety" <i>Biomat. Art. Cells & Immob. Biotech</i> 20:23-30 (1992)	
162.	Nolan, A.P., et al., "Endotoxin binding by charged and uncharged resins (38895), " <i>Proc. Soc. Exp. Biol. & Med.</i> , 149:766-770 (1979).	
163.	North, J., et al., "Photodynamic inactivation of retrovirus by benzoporphyrin derivative: a feline leukemia virus model," <i>Transfusion</i> 32:121-128 (1992).	
164.	Olah, ed., <i>Friedel-Crafts and Related Reactions</i> , Vol. II, Part 2, Interscience, NY, p. 749 (1964).	
165.	Olah and Kuhn, "Selective Friedel-Crafts Reactions. I. Boron Halide Catalyzed Haloalkylation of Benzene and Alkylbenzenes with Fluorohaloalkanes," <i>J. Org. Chem.</i> 29:2317-2321 (1964).	
166.	Pardue, K.J., and Merrill, D.J., "Literature applications for Amberlite®/Duolite® Anion exchange resins, literature survey, 1987-1991, p.1-b 48, Supelco, Inc. (1992).	
167.	Pegues et al. "The removal of ¹³ C labeled endotoxin by activated charcoal" <i>Intl. J. Art. Organs</i> 2:153-158 (1979)	
168.	Prince, A.M., et al., "β-Propiolactone/Ultraviolet Irradiation: A review of Its Effectiveness for Inactivation of Viruses in Blood Derivatives," <i>Reviews of Infect. Diseases</i> 5:92-107 (1983).	
169.	Proudouze, K.N., et al., "Use of Laser U-V for Inactivation of Virus in Blood Platelets," <i>Blood</i> 70:589-592 (1987).	
170.	Purolite Technical Bulletin entitled "Hypersol-Macronet™ Sorbent Resins," The Purolite Co. (PA), pp. 1-11 (1995)	
171.	Rai S. et al. "Dramatic improvements in viral inactivation with brominated psoralens, naphthalenes and anthracenes" <i>Photochem. And Photobio.</i> 58 59-65 (1993)	
172.	Rodriguez, F., <i>Principles of Polymer Systems</i> , Hemisphere Publishing Corp., pp. 449-53 (3rd ed. 1989).	
173.	Rosenbaum, J., et al. "Resin hemoperfusion for acute drug intoxication. <i>Arch Intern Med</i> 1976; 136:263-266.	
174.	Rywin, S., et al., "In Vivo Circulatory Survival of Photochemically Treated Rabbit Red Blood Cells with Aluminum Phthalocyanine Derivatives," <i>Blood</i> 78(Suppl 1): 352A (Abstract) (1991).	
175.	Schmidt et al. "Ion-exchange preconcentration and group separation of ionic and neutral organic compounds" <i>J. Chromatog.</i> 640:145-149 (1993)	

EXAMINER: 	DATE CONSIDERED: 5/16/03
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	

Form PTO-1449	Docket Number: CERUS-408.11	Application Number: 10/051,976
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant: Derek J. Hei	
(Use several sheets if necessary)	Filing Date: January 16, 2002	Group Art Unit: NYA

RECEIVED

JUN 19 2002

TECH CENTER 1600/

OTHER DOCUMENTS (including author, title, Date Pertinent Pages, etc.)		
an	176.	Schmunis, G.A., "Trypanosoma cruzi, the etiologic agent of Chagas' disease: status in the blood supply in endemic and nonendemic countries," Transfusion 31:547-557 (1992).
an	177.	Sergeyev, V.P., et al., "Comparative evaluation of the structure and properties of certain granulated and fibrous activated carboniferous sorbents," Biomart., Art, Cells, Art. Org., 17:353-361 (1989).
an	178.	Shimazaki K. "Changes of pore and adsorption capacity of polyacrylonitrile-based activated carbon fiber (PAN-ACF) in activation" Nippon Kagaku Kaishi 1:54-61 (1993)
an	179.	Shimizu, T. et al., "Filtration through a polyester white cell-reduction filter of plasma-poor platelet concentrates prepared with an acetate-containing additive solution," Transfusion 33:730-734 (1993)
an	180.	Shimizu, T., et al., "Adsorption of anaphylatoxins and platelet-specific proteins by filtration of platelet concentrates with a polyester leukocyte reduction filter," Vox Sang 66:161-165 (1994).
OTHER DOCUMENTS (including author, title, Date Pertinent Pages, etc.)		
an	181.	Sieber, F., et al., "Invitation of Friend Erythroleukemia Virus and Friend Virus -- Transformed Cells by Mero cyanine 540-Mediated Photosensitization," Blood 73:345-350 (1989).
an	182.	Sintov, A., et al. "Cross-linked chondroitin sulphate: characterization for drug delivery purposes", Biomaterials Vol. 16 No. 6 pp. 473-478 (1995).
an	183.	Snezhkova et al. "DNA-coated carbon adsorbents experimental assessment and results of severe psoriasis treatment" Biomat. Art Cells & Immob. Biotech 20:1201-1221 (1992)
an	184.	Stack and Snyder, "Storage of platelet concentrate," Blood Separation and Platelet Fractionation (Wiley-Liss, Inc.) pp. 99-125.
an	185.	Sun and Fritz "Chemically modified polymeric resins for high-performance liquid chromatography" J. Chrom. 522:95-105 (1990)
an	186.	Sweeney, J.D., et al., "White cell-reduced platelet concentrates prepared by in-line filtration of platelet-rich plasma," Transfusion 35:131-136 (1995).
an	187.	Tang et al. "Free and glycosidically bound volatile compounds in fresh celery (Apium graveolens L.)" J. Agr. Food Chem. 38:1937-1940 (1990)
an	188.	Tessman, et al., "Photochemistry of the Furan-Side 8-Methoxypsoralen-Thymide Monoadduct Inside the DNA Helix. conversion to Diadduct and to Pyrone-Side Monoadduct," Biochem. 24:1669-1676 (1985).
an	189.	Thompson, et al., "Dependence of 4'-(Hydroxymethyl)-4,5',8-trimethylpsoralen Photoaddition on the Conformation of Ribonucleic Acid," Biochemistry 21:1363-1368 (1982).
an	190.	Thompson, et al., J. Mol. Biol., "Determination of the Secondary Structure of Drosophila Melanogaster 5 S RNA by Hydroxymethyltrimethylpsoralen Crosslinking," 147:417-436 (1981).
an	191.	Tishler & Winston "Sorbent therapy of the porphyrias III. Comparative efficacy of experimental plasma perfusion with several commercial hemoperfusion cartridges" Meth. & Find Exptl. Clin. Pharmacol 6:7 389-393 (1984)
an	192.	Ton et al. "Albumin-coated amberlite XAD-7 resin for hemoperfusion in acute liver failure - Part I: Adsorption studies" Artificial Organs 3:20-22 (1979)
an	193.	Tsyurupa, M.P. et al., "Sorption of organic compounds from aqueous media by hypercrosslinked polystyrene sorbents 'Styrosorb'", Reactive Polymers 25:69-78 (1995)
an	194.	Valeri Capt. C.R. et al. "Freeze-preserved baboon red blood cells: effects of biochemical modification and perfusion in vitro", Am J Vet Res, 42:1590-1594 (1981).
an	195.	Valerio, F., et al. "Adsorption properties of U.I.C.C. Rhodesian chrysotile and crocidolite in aqueous solution - effects of cation depletion", AIHA Journal (40) pp. 781-788 (1979).

EXAMINER:

DATE CONSIDERED:







EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

JUN 13 2002

PTO/SB/08 (2-92)

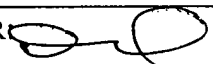
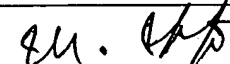
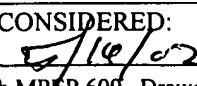
Sheet 9 of 9

Form PTO-1449	Docket Number: CERUS-408.11	Application Number: 10/051,976
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant : Derek J. Hei	
(Use several sheets if necessary)	Filing Date : January 16, 2002	Group Art Unit: NYA

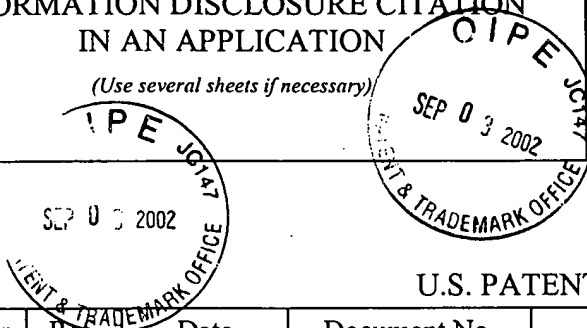
OTHER DOCUMENTS <i>(including author, title, Date Pertinent Pages, etc.)</i>		
	196.	van Marwijk, M. et al., "Filtration: A method to prepare white cell-poor platelet concentrates with optimal preservation of platelet viability," Transfusion 30:34-38 (1990).
	197.	Verhoeven, M., et al., "A first screening for hemocompatibility of a universal support for selective and specific hemoperfusion," Intl. J. Artificial Organs 12:63-67 (1989).
	198.	Wadenvik, H., et al., "Leukocyte removal filtration of platelet concentrates. A study of platelet loss using in-labeled platelets and dynamic gamma camera scintigraphy," Eur. J. Haematol., 47:192-96 (1991).
	199.	Ward, J.W., et al., "Transmission of Human Immunodeficiency Virus (HIV) by Blood Transfusions Screened as Negative for HIV Antibody," N. Engl. J. Med., 318:473-478 (1988).
	200.	Webb, D., "Charcoal haemoperfusion in drug intoxication," British J. of Hosp. Med. 49(7)493-496.
	201.	Yoshioka, T. and Shimamura, M. "Studies of polystyrene-based Ion exchange fiber. I The preparation and fundamental characteristics of polystyrene-based Ion exchange fiber", The Chem. Soc. of Japan Vol. 56, No. 12 pp. 3726-3729 (1983).

COPY OF PAPERS
ORIGINALLY FILED

RECEIVED
JUN 19 2002
TECH CENTER 1600/2002

EXAMINER  	DATE CONSIDERED: 
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket Number 282172000902	Application Number 10/051,976
	Applicant Derek J. HEI and George D. CIMINO	
	Filing Date: January 16, 2002	Group Art Unit 1651
	Mailing Date August 30, 2002	



COPY

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
<i>an</i>	1.	02/19/2002	US 6,348,309 B1	Mohr et al.	435	2	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
<i>gn</i>	2.	04/18/1991	6339190	Australia			
<i>an</i>	3.	04/04/1991	WO 91/03933	WIPO			Yes

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
<i>an</i>	4.	Verified English translation of PCT Application PCT/DE90/00691

RECEIVED
SEP 06 2002
TECH CENTER 1600/2900

EXAMINER:

[Signature]

DATE CONSIDERED:

8/16/03

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.